

*** QUALITY ASSURANCE PROVISIONS**

SPECIFICATIONS:

NSN: 5340-01-011-8832 P/N:(26512) A51B92351-5

NOMENCLATURE: Hinge, Assembly

Articles to be furnished hereunder shall be manufactured, tested and inspected in accordance with drawing number (26512) A51B92351 REV. " G " or latest revision, and all details and specifications referenced therein.

I. QUALITY/INSPECTION REQUIREMENTS

- A. MIL-I-45208 or ISO 9000 Equivalent applies:
- B. First Article Testing applies:
- C. Production Lot Testing applies:
- D. Mandatory Inspection applies:

II. SUPPLEMENTAL REQUIREMENTS

- A. Additionally, para. 3.1, 3.5, 5.1, 5.2, 6.1, 6.2 of MIL-Q-9858 or ISO 9000 equivalent applies.
- B. The contractor shall include on the detailed process operation sheets developed, a tracking method that is traceable to the contract, all in-house manufacturing processes and the identity of all manufacturing sources performing process/operations outside of their facilities. These sheets shall not be revised or altered after the successful completion of FIRST ARTICLE OR PRODUCTION LOT TESTING without the approval from the basic design engineering activity via the P.C.O..
- C. The inspection method sheets which list the characteristics of each item produced under the contract shall have serial number traceability to the raw material, casting, or forging. The tracking method used on the inspection/method sheets shall be traceable to the contract. In addition, the contractor is responsible for providing completed inspection method sheets showing the actual dimensions taken of all critical characteristics.
- D. Markings should be I/A/W MIL-STD-130 REV. "K" para 5.3.3(a),(b),(c),(g). Method and location shall be I/A/W the drawing.

III. MANDATORY INSPECTION REQUIREMENTS:

During production, mandatory inspection is required to be accomplished by the contractor as follows:

A. LEVEL OF INSPECTION (L.O.I.)

- 1) Critical Characteristics: 100% inspection and documentation of dimensions taken shall apply
- 2) Major and Minor Characteristics: L.O.I. shall be I/A/W a sampling plan acceptable to the Q.A.R.

B. CRITICAL CHARACTERISTICS FOR:

Grumman Aircraft: (26512) A51B92351-5

1. Zone 6 A
Neither Gap "B" or "C" shall be less than .001
the sum of Gap "B" and "C" shall not exceed .016 at one
node nor .014 at remainder of nodes.

2. Zone 2 D
Note # 1

3. Zone 3 D
Note # 2

P/N: A51B92038-19
None

P/N: A51B92353-17
None

P/N: A51B92352-21
None

C. MAJOR AND MINOR CHARACTERISTICS:

- 1) Shall be defined by the contractor subject to Q.A.R. concurrence, unless defined on applicable drawings and associated specifications.

IV. Unless expressly provided for elsewhere in this clause, equipment such as **FIXTURES, JIGS, DIES, PATTERNS, TEMPLATES, MYLARS, SPECIAL TOOLING, TEST EQUIPMENT**, or any other manufacturing aid required for the manufacture and/or testing of the subject item will not be provided by the government or any other source and is the sole responsibility of the contractor. The foregoing applies notwithstanding any reference to such equipment or the furnishing thereof that may be contained in any drawing or referenced specification.

FIRST ARTICLE TEST REQUIRED (GOVERNMENT TESTING)

I. First Article Inspection/Test Criteria:

The tests to be performed under the contract approval clause of the contract are:

- A. Dimensional Check 100%
- B. Form/Fit
- C. Identification
- D. Material Analysis
- E. Visual: Verification of the overall workmanship
- F. Compliance with drawing, (26512) A51B92351-5 REV. " G ", and associated drawings, latest revisions, and specifications referenced therein.
- G. Packaging and Preservation: Verification that the parts have been preserved and packaged per the requirements of the contract.
- H. Review documentation as provided under DD 1423 requirements.

In addition to the above tests, the First Articles are to be delivered hereunder shall also be subjected to those tests which will demonstrate that the articles comply with contract requirements.

The contractor shall be responsible for providing necessary parts and repair of the First Article Samples during testing.

II. Samples to be submitted for testing: Quantity: Two (2)

- A. Estimated cost: TBD
- B. Waiver of First Article Testing Requirements may be granted for:
(26512) Grumman Aircraft

III. Testing shall be performed at the Government Designated facility listed below:

NADEP JACKSONVILLE
F.A.T. Control Center
DOOR 16
NAS, Jacksonville, FL 32212-0016

IV. Special Instructions:

- A. Contractor shall provide Two samples, one sample is to be painted and assembled per the drawing and one sample shall be unpainted and unassembled. Corrosive areas are to be coated with a light preservative.**
- B. Samples may be considered as production items under the contract provided that the samples can be refurbished to ready for issue (RFI) condition and that the samples have inspection approval of the cognizant Q.A.R.. Samples may be shipped as production items only after all other units required under the contract have been produced and are ready for shipment.**
- C. Samples will be returned to the contractor if not destroyed in testing**
- D. Estimated Production Lead-Time Schedule:**
 - 1. Submission of the First Article samples by the contractor: 180 days**
 - 2. Analysis of FAT report and notification to contractor: 60 days**
 - 3. Production delivery after First Article acceptance: 90 days**
 - 4. Total accumulated calendar days 330 days**

NOTIFICATION OF SHIPMENT OF MATERIAL FOR GOVERNMENT TESTING

Fourteen (14) days prior to shipment of First Article Samples, the contractor shall notify the designated test facility, in writing of the anticipated shipping date, with an information copy to the P.C.O.. The contractor shall also arrange for preliminary inspection of test samples by the CAO/QAR.

Upon shipment of First Article Samples, two (2) copies of the Material Inspection and Receiving Report (DD Form 250), bearing the QAR's signature and indication of preliminary inspection, shall be forwarded to the designated test facility. The envelopes shall be clearly marked. "DO NOT OPEN IN MAILROOM".

Within 105 days after receipt of the samples, the test site shall complete testing/evaluation and submit two (2) copies of their test report with conclusions and recommendations to the P.C.O..

Disposition instruction must be provided to NADEP Jacksonville, First Article Coordinator.

PRODUCTION LOT TESTING REQUIREMENTS (WITNESSED AND ACCEPTED AT THE CONTRACTORS FACILITY)

The material produced under contract shall be accepted by the cognizant CAO/QAR contingent upon the successful completion of these requirements.

The Production Lot Samples shall be inspected at the Contractors Facility... Witnessed and accepted by the DCMA/QAR. A written Test report shall be forwarded to the Contracting Officer. All 1423 Requirements apply.

I. Production Lot Test Sampling Requirements:

- A. The cognizant CAO/QAR shall select two (2) items at random from the first production lot produced, one sample is to be disassembled and one sample is to be assembled. In addition the QAR shall select one (1) item at random from each successive lot or portion thereof.
- B. Production Lot Testing to be completed during production after First Article approval.
- C. Production Lot samples are to be unpainted, samples shall have corrosive areas coated with a light preservative.

II. The tests to be performed under the Production Lot Sample testing provisions of the contract are:

- A. Compliance with drawing, (26512) A51B92351-5 REV. " G ", and associated drawings, latest revisions, and specifications referenced therein.
- B. Dimensional Check 100%
- C. Visual: Verification of the overall workmanship
- D. Packaging and Preservation: Verification that the parts have been preserved and packaged per the requirements of the contract.
- E. Review of documentation as provided under CDRL, DD1423

In addition to the above tests, the Production Lot Samples to be delivered hereunder shall also be subjected to those tests which will demonstrate that the samples comply with contract requirements.

III. Testing Location, Cost and Estimated Lead-time:

- A. The Production Lot inspection shall be performed at the contractor's plant by the contractor and witnesses and accepted by the DCMC/QAR. Within 15 days of completion of Production Lot Testing the CAO/QAR shall prepare and submit two (2) copies of their test report with conclusions and recommendations to the contracting officer. All DD1423 requirements apply.**
- B. Samples may be considered as production items under the contract provided samples can be refurbished to Ready For Issue (RFI) condition and provided samples have inspection approval of the cognizant DCMC/QAR. Samples may be shipped as production items only after all other units required under the contract have been produced and are ready for shipment.**

Within fifteen days of completion of Production Lot Testing, the CAO/QAR shall prepare and submit two copies of the test report with conclusions and recommendations to the contracting officer.

CONTRACT DATA REQUIREMENTS LIST

(2 Data Items)

Form Approved
OMB No. 0704-0188

The public reporting burden for this collection of information is estimated to average 220 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports (0704-0188), 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please DO NOT RETURN your form to the above address. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.

A. CONTRACT LINE ITEM NO. 5340 01-011-8832				B. EXHIBIT		C. CATEGORY: TDP <input type="checkbox"/> TM <input type="checkbox"/> OTHER <input type="checkbox"/>				
D. SYSTEM/ITEM				E. CONTRACT/PR NO.		F. CONTRACTOR				
1. DATA ITEM NO. 3		2. TITLE OF DATA ITEM REQUEST FOR WAIVER				3. SUBTITLE				17. PRICE GROUP
4. AUTHORITY (Data Acquisition Document No.) DI-CMAN-80640C				5. CONTRACT REFERENCE		6. REQUIRING OFFICE DEFENSE SUPPLY CENTER PHILADELPHIA				18. ESTIMATED TOTAL PRICE
7. DD250 REQ LT		9. DIST STATEMENT REQUIRED		10. FREQUENCY AS REQ.		12. DATE OF FIRST SUBMISSION SEE BLOCK #16		14. DISTRIBUTION		18. ESTIMATED TOTAL PRICE
8. ADP CODE				11. AS OF DATE AS REQ.		13. DATE OF SUBSEQUENT SUBMISSION SEE BLOCK #16		a. ADDRESSEE		
								b. COPIES		
								Draft		
								Final		
								Reg Repr o		
16. REMARKS						DCMC/ACO		1/0		
						DCMC/QAR		1/0		
						PCO		1/0		
						NAVICP-P		1/0		
						15. TOTAL		4/0		
1. DATA ITEM NO. 4		2. TITLE OF DATA ITEM REQUEST FOR DEVIATION				3. SUBTITLE				17. PRICE GROUP
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8. ADP CODE A				11. AS OF DATE AS REQ.		13. DATE OF SUBSEQUENT SUBMISSION SEE BLOCK #16		a. ADDRESSEE		
								b. COPIES		
								Draft		
								Final		
								Reg Repr o		
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						DCMC/QAR		1/0		
						PCO		1/0		
						NAVICP-P		1/0		
						15. TOTAL		4/0		
G. PREPARED BY NAVICP-P		H. DATE June 29, 2002		I. APPROVED BY NAVICP-P		J. DATE June 29, 2002				

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16. REMARKS							Draft	Final	
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8. ADP CODE A		11. AS OF DATE AS REQ.	13. DATE OF SUBSEQUENT SUBMISSION SEE BLOCK #16			a. ADDRESSEE	b. COPIES		
16. REMARKS							Draft	Final	
						15. TOTAL	4/0		
G. PREPARED BY NAVICP-P		H. DATE June 29, 2002		I. APPROVED BY NAVICP-P		J. DATE June 29, 2002			

CONTRACT DATA REQUIREMENTS LIST

(1 Data Item)

Form Approved
OMB No. 0704-0188

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TRACT LINE ITEM NO.

B. EXHIBIT

C. CATEGORY:

TOP _____ TM _____ OTHER _____

D. SYSTEM/ITEM

5340-01-011-8832

E. CONTRACT/PR NO.

F. CONTRACTOR

1. DATA ITEM NO.

2. TITLE OF DATA ITEM

5 CERTIFICATION DATA / REPORTS

3. SUBTITLE

4. AUTHORITY (Data Acquisition Document No.)

5. CONTRACT REFERENCE

DI-MISC-80678/T3

6. REQUIRING OFFICE

DSC PHILADELPHIA

7. DD 250 REQ

9. DIST
STATEMENT
REQUIRED

10. FREQUENCY

12. DATE OF FIRST
SUBMISSION

14. DISTRIBUTION

LT

AS REQ

SEE BLOCK 16*

8. APP CODE

A

11. AS OF DATE

AS REQ

13. DATE IF SUBSEQUENT
SUBMISSION

SEE BLOCK 16**

a. ADDRESSEE

b. COPIES

Draft

Final

Reg

Repro

PARA. 10.1,10.2,10.2.1,10.2.2,10.2.4,10.5 APPLY

*BLOCK#12- UPON SUBMITTAL OF FIRST ARTICLE SAMPLE (S) AND/OR PRODUCTION LOT SAMPLE.

**BLOCK#13- THESE CERTIFICATIONS ARE REQUIRED AT TIME OF PRODUCTION LOT TESTING (PLT) OR CONTRACT COMPLETION IF TESTING IS WAIVED.

BLOCK #3- SEPERATE REPORTS SHALL BE PROVIDED FOR THE BELOW LISTED SUB TITLES. CERTIFICATION REPORTS FOR PROCESS AND MATERIAL SPECIFICATIONS SHALL INCLUDE CERTIFICATION THAT ALL VENDORS PERFORMING THESE PROCESSES ARE (OEM)NORTHROP GRUMMAN AIRCRAFT APPROVED SOURCES FOR SAID PROCESS.

BLOCK #5 - CONTRACT REFERENCE: ASSY. P/N: A51B92351-5

MATERIAL CERTIFICATION AND ANALYSIS DOCUMENTATION FOR:P/N: (26512) A51B92353-17, 2024-T62 SAE/AMS-QQ-A-200/3
P/N: (26512) A51B92352-21, 2024-T62 SAE/AMS-QQ-A-200/3
P/N: (26512) A51B920358-19, 302 Cres Cond "B" per SAE/AMS-S-7720

Certifications for the following:

- Heat Treat Per SAE AMS-H-6088
- Anodize Per MIL-A08625F Type II Class I
- Epoxy Polyamide Primer Per MIL-PRF-23377H
- Aerodynamic Smoothness Requirements Per A51CSS026
- Cadmium Plate per SAE/AMS-QQ-416A
- Molybdenum Disulfide/Heat Cured per MIL-L-46010F

TOTAL

3/0

G. PREPARED BY

H. DATE

I. APPROVED BY

J. DATE

DD Form 1423-1, JUN 90

Previous editions are obsolete.

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Pages 1007/183 S/N 0102-LF-010-5500

10 - 10

17. PRICE GROUP

18. ESTIMATED
TOTAL PRICE